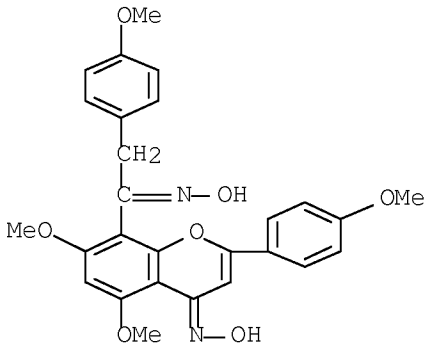
ACCESSION NUMBER: 1956:89181 CAPLUS Full-text
DOCUMENT NUMBER: 50:89181
ORIGINAL REFERENCE NO.: 50:16759f-g
TITLE: Structure of sciadopitysin, a flavonoid from the leaves of Sciadopitys verticillata. III. The structure of oxoflavone and carboxyflavone
AUTHOR(S): Kariyone, Tatsuo; Kawano, Nobusuke
SOURCE: Yakugaku Zasshi (1956), 76, 453-6
CODEN: YKKZAJ; ISSN: 0031-6903
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB IV and V were each shown to have 2 MeO groups and 2 phenolic HO groups and were assumed to have the skeleton of acacetin 7-Me ether (VI) with an acyl group as the side-chain. IV is VI where the acyl is COCH2C6H4OH and V is IV bearing a group on the VI moiety.

IT 874530-27-5P, Flavone, 4',5,7-trimethoxy-8-[(p-methoxyphenyl)acetyl]-, dioxime
RL: PREP (Preparation)
(preparation of)

RN 874530-27-5 CAPLUS

CN Flavone, 4',5,7-trimethoxy-8-[(p-methoxyphenyl)acetyl]-, dioxime (5CI) (CA INDEX NAME)

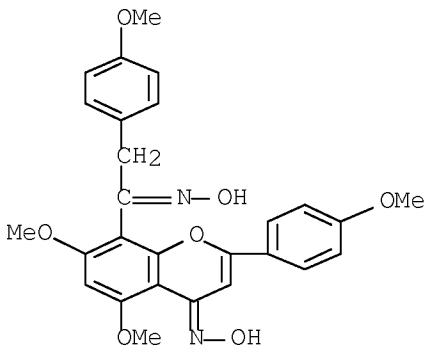


L9 ANSWER 55 OF 66 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1956:89180 CAPLUS Full-text
DOCUMENT NUMBER: 50:89180
ORIGINAL REFERENCE NO.: 50:16759e-f
TITLE: Structure of sciadopitysin, a flavonoid from the leaves of Sciadopitys verticillata. II. Degradation of sciadopitysin
AUTHOR(S): Kariyone, Tatsuo; Kawano, Nobusuke
SOURCE: Yakugaku Zasshi (1956), 76, 451-2
CODEN: YKKZAJ; ISSN: 0031-6903
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

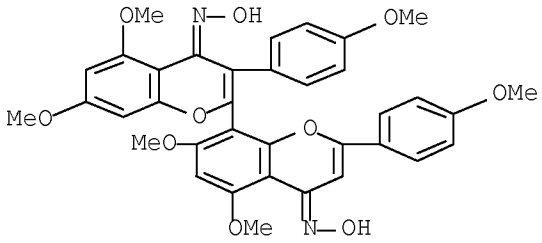
AB Decomposition of I by boiling 1.5 hrs. with 20% aqueous KOH afforded an oxoflavone (IV), C25H20O7, yellow columns, m. 241-2°, a carboxyflavone (V), C26H20O9, yellow, m. 311° (decomposition), anisic acid, p-MeOC6H4Ac, and 4,2,6-MeO-(HO)2C6H2Ac; the yield of these products varied with the concentration of KOH and duration of boiling.

IT 874530-27-5P, Flavone, 4',5,7-trimethoxy-8-[(p-methoxyphenyl)acetyl]-, dioxime

RL: PREP (Preparation)
(preparation of)
RN 874530-27-5 CAPLUS
CN Flavone, 4',5,7-trimethoxy-8-[(p-methoxyphenyl)acetyl]-, dioxime (5CI) (CA INDEX NAME)



L9 ANSWER 56 OF 66 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1956:89179 CAPLUS Full-text
DOCUMENT NUMBER: 50:89179
ORIGINAL REFERENCE NO.: 50:16759d-f
TITLE: Structure of sciadopitysin, a flavonoid from the leaves of Sciadopitys verticillata. I
AUTHOR(S): Kariyone, Tatsuo; Kawano, Nobusuke
SOURCE: Yakugaku Zasshi (1956), 76, 448-50
CODEN: YKKZAJ; ISSN: 0031-6903
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB Air-dried leaves (3 kg.) in 20 l. CHCl:CCl2 refluxed 3 hrs., the extract concentrated to 3 l., allowed to stand overnight, the waxy precipitate warmed up, and the insol. residue filtered off gave 9 g. sciadopitysin (I), yellow columns, m. 285-6° (from C5H5NEtOH); triacetate, prisms, m. 264°; tri-Me ether (IIIa), m. 214-15° (oxime, C36H32O10N2, columns, m. 248-9°). I (0.1 g.) in 40 ml. Me2CO treated with 0.5 g. each of K2CO3 and MeI and the mixture refluxed 40 min. and concentrated gave a I mono-Me ether (II), m. 282°, identical with ginkgetin di-Me ether (III) by mixed m.p. II gives a diacetate, m. 228°, identical with the diacetate of III by mixed m.p. Demethylation of I with HI gave C30H18O10.5H2O, m. above 360°, and acetylation of this substance gave a product, m. 240°, identical with that prepared by treating ginkgetin in a similar way.
IT 854209-81-7P, [2,8'-Bi-4H-1-benzopyran]-4,4'-dione, 5,5',7,7'-tetramethoxy-2',3-bis(p-methoxyphenyl)-, dioxime
874530-27-5P, Flavone, 4',5,7-trimethoxy-8-[(p-methoxyphenyl)acetyl]-, dioxime
RL: PREP (Preparation)
(preparation of)
RN 854209-81-7 CAPLUS
CN [2,8'-Bi-4H-1-benzopyran]-4,4'-dione, 5,5',7,7'-tetramethoxy-2',3-bis(p-methoxyphenyl)-, dioxime (5CI) (CA INDEX NAME)



RN 874530-27-5 CAPLUS
CN Flavone, 4',5,7-trimethoxy-8-[(p-methoxyphenyl)acetyl]-, dioxime (5CI) (CA INDEX NAME)